

ABSTRACT

An integral label for composite materials. The label, printed with magnetically doped ink, ink with UV components, ink with IR components may be embedded on the surface of the composite material using a heat curable resin. The indicia on the label can be read with magnetic ink character recognition (MICR) or other magnetic scanning technology or scanners that recognize UV and/or IR components. The label may be made of retro reflective material and reverse printed with opaque ink. The data carrier may be a mesh, paper, porous material, solid resin sheet or the data may be printed directly on the composite. There is no need for visual contrast between the composite, label and/or indicia.